

# NOTICE OF DRAFTPERSON'S PATENT DRAWING REVIEW

The drawing filed (insert date) 12-23-99

A        not objected to by the Draftperson under 37 CFR 1.84 or 1.152

B        objected to by the Draftperson under 37 CFR 1.84 or 1.152 as indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawings must be submitted according to the instructions on the back of this notice.

1. DRAWINGS: 37 CFR 1.84(a): Acceptable categories of drawings Black ink. Color: <u>      </u> Color drawings are not acceptable until printed in grayscale. Fig(s) <u>      </u> <u>      </u> Pencil and non black ink is not permitted. Fig(s) <u>      </u>	7. SECTIONAL VIEWS: 37 CFR 1.84(h)(3) <u>      </u> Hatching not indicated for sectional portions of an object. Fig(s) <u>      </u> <u>      </u> Sectional designation should be noted with Arabic or Roman numerals. Fig(s) <u>      </u>
2. PHOTOGRAPHS: 37 CFR 1.84(b) <u>      </u> Photographs are not acceptable until printed in grayscale. <u>      </u> Half-tone sets are required. Fig(s) <u>      </u> <u>      </u> Photographs not properly mounted (mounted on board of photographic double-weight paper). Fig(s) <u>      </u> <u>      </u> Poor quality (half-tone). Fig(s) <u>      </u>	8. ARRANGEMENT OF VIEWS: 37 CFR 1.84(h) <u>      </u> Words do not appear on a horizontal left-to-right fashion when page is either upright or folded, so that the top becomes the right side, except for graphics. Fig(s) <u>      </u> <u>      </u> Views not on the same plane on drawing sheet. Fig(s) <u>      </u>
3. TYPE OF PAPER: 37 CFR 1.84(c) <u>      </u> Paper not flexible, strong, white and durable. Fig(s) <u>      </u> <u>      </u> Erasures, alterations, overwritings, indelible marks, folds, copy machine marks not acceptable. Fig(s) <u>      </u> <u>      </u> Mylar, vellum paper is not acceptable (no data). Fig(s) <u>      </u>	9. SCALE: 37 CFR 1.84(k) <u>      </u> Scale not large enough to show mechanism with crowding when drawing is reduced in size to two-thirds in reproduction. Fig(s) <u>      </u>
4. SIZE OF PAPER: 37 CFR 1.84(f): Acceptable size. <u>      </u> 21.0 cm by 29.7 cm (DIN size A4) <u>      </u> 21.6 cm by 27.9 cm (8 1/2 x 11 inches) <u>      </u> All drawings sheets not the same size. Sheet(s) <u>      </u>	10. CHARACTER OF LINES, NUMBERS, & LETTERS: 37 CFR 1.84(l) <u>      </u> Lines, numbers & letters not uniformly thick and well defined (clean, durable and black (good line quality)). Fig(s) <u>1-5</u>
5. MARGINS: 37 CFR 1.84(g): Acceptable margins Top: 2.5 cm Left: 2.5 cm Right: 1.5 cm Bottom: 1.0 cm SIZE: A4 Size Top: 2.5 cm Left: 2.5 cm Right: 1.5 cm Bottom: 1.0 cm SIZE: 8 1/2 x 11 <u>      </u> Margins not acceptable. Fig(s) <u>1-5</u> <u>      </u> Top (T) <u>      </u> Left (L) <u>      </u> <u>      </u> Right (R) <u>      </u> Bottom (B) <u>      </u>	11. SHADING: 37 CFR 1.84(m) <u>      </u> Solid black areas pale. Fig(s) <u>      </u> <u>      </u> Solid black shading not permitted. Fig(s) <u>      </u> <u>      </u> Shade lines, pale, rough and blurred. Fig(s) <u>      </u>
6. VIEWS: 37 CFR 1.84(h) REMINDER: Specification may require revision to correspond to drawing changes. <u>      </u> Views connected by projection lines or leader lines. Fig(s) <u>      </u> <u>      </u> Partial views: 37 CFR 1.84(h)(2) <u>      </u> Brackets needed to show figure as one view. Fig(s) <u>      </u> <u>      </u> Views not labeled separately or properly. Fig(s) <u>      </u> <u>      </u> Enlarged view not labeled separately or properly. Fig(s) <u>      </u>	12. NUMBERS, LETTERS, & REFERENCE CHARACTERS: 37 CFR 1.48(p) <u>      </u> Numbers and reference characters not plain and legible. Fig(s) <u>1-5</u> <u>      </u> Figure legends are poor. Fig(s) <u>1-5</u> <u>      </u> Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(3) Fig(s) <u>      </u> <u>      </u> English alphabet not used. 37 CFR 1.84(p)(3) Fig(s) <u>      </u> <u>      </u> Numbers, letters and reference characters must be at least .32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3) Fig(s) <u>      </u>
	13. LEAD LINES: 37 CFR 1.84(q) <u>      </u> Lead lines cross each other. Fig(s) <u>      </u> <u>      </u> Lead lines missing. Fig(s) <u>      </u>
	14. NUMBERING OF SHEETS OF DRAWINGS: 37 CFR 1.48(t) <u>      </u> Sheets not numbered consecutively, and in Arabic numerals beginning with number 1. Fig(s) <u>      </u>
	15. NUMBERING OF VIEWS: 37 CFR 1.84(u) <u>      </u> Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) <u>      </u>
	16. CORRECTIONS: 37 CFR 1.84(w) <u>      </u> Corrections not made from PTO-948 dated <u>      </u>
	17. DESIGN DRAWINGS: 37 CFR 1.152 <u>      </u> Surface shading shown not appropriate. Fig(s) <u>      </u> <u>      </u> Solid black shading not used for color contrast. Fig(s) <u>      </u>
COMMENTS	

REVIEWER Jc

DATE: 4-28-00 TELEPHONE NO. 703 305 6470

ATTACHMENT TO PAPER NO.       

PTO COPY

## REMINDER

Drawing changes may also require changes in the specification, e.g., if Fig. 1 is changed to Fig. 1A, Fig. 1B, Fig. 1C, etc., the specification, at the Brief Description of the Drawings, must likewise be changed. Please make such changes by 37 CFR 1.512 Amendment at the time of submitting drawing changes.

## INFORMATION ON HOW TO EFFECT DRAWING CHANGES

### 1. Correction of Informalities- 37 CFR 1.85

File new drawings with the changes incorporated therein. The application number or the title of the invention, inventor's name, docket number (if any), and the name and telephone number of a person to call if the Office is unable to reach the drawings to its proper application, should be placed on the back of each sheet of drawings in accordance with 37 CFR 1.84(c). Applicant may defer filing of the new drawings until receipt of the Notice of Allowance (PTO 950) Extension of time may be obtained under the provisions of 37 CFR 1.136. The drawing should be filed as a separate paper, with a transmittal letter addressed to the Drawing Review Branch.

### 2. Timing of Corrections

Applicant is required to submit **acceptable** corrected drawings within the three-month, non-extendable statutory period set in the Notice of Allowance (PTO 950). If a correction is determined to be unacceptable by the Office, applicant must arrange to have acceptable correction resubmitted within the original three-month period to avoid the necessity of obtaining an extension of time and paying the extension fee. Therefore, applicant should file corrected drawings as soon as possible.

Failure to take corrective action within set time period will result in **ABANDONMENT** of the Application.

### 3. Corrections other than Informalities Noted by the Drawing Review Branch on the Form PTO 948

All changes to the drawing, other than informalities noted by the Drawing Review Branch, **MUST** be approved by the examiner before the application can be amended. No changes will be permitted to be made, other than correction of informalities, unless the examiner has approved the proposed change.